

## Abstract

The present invention relates to molecular markers for detection, prognosis and follow up of Parkinson's disease (PD), wherein said molecular markers are one or more genes with altered expression pattern, or gene products thereof (RNA or protein). Genes which expression is upregulated or downregulated in PD patients are tools for early diagnosis of PD, for monitoring the progress of the disease and can serve as targets for screening new agents for treatment of PD.